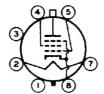
Beam Power Tube

GENERAL DATA

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	Electrical:
	Heater, for Unipotential Cathode: Voltage (AC or DC)
	<pre>volts = 150, grid-No.1 volts = -22.5 4.4 Direct Interelectrode Capacitances (Approx.):*</pre>
	Grid No.1 to plate 0.5 μμf Grid No.1 to cathode & grid No.3,
_	grid No.2, and heater 15 $\mu\mu$ f Plate to cathode & grid No.3,
	grid No.2, and heater $7 \mu\mu$ f
	Characteristics, Class A ₁ Amplifier:
	Plate Voltage
	plate volts = 25042 volts 5000100 volts
	Mechanical:
	Operating Position
and the same of th	(JEDEC No.B7-111), Short Medium-Shell Octal 7-Pin with External Barriers, Style B, Arrangement 1 (JEDEC No.B7-119),
	Short Medium—Shell Octal 6-Pin with External Barriers, Style A, Arrangement 2 (JEDEC No.B6-148), or
	Short Medium—Shell Octal 6—Pin with External Barriers, Style B, Arrangement 2 (JEDEC No.B6—122)

Basing Designation for BOTTOM VIEW. 6AM

Pin 1^e-No Connection
Pin 2-Heater
Pin 3-No Connection
Pin 4-Grid No.2



Pin 5-Grid No.1 Pin 7-Heater Pin 8-Cathode, Grid No.3 Cap-Plate

HORIZONTAL-DEFLECTION AMPLIFIER

Maximum	Ratings,	Design-Maximum	Values:
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For operation in a 525-line, 30-	-fra	me sy:	stemd	
DC PLATE-SUPPLY VOLTAGE		770	max.	volts
PEAK POSITIVE-PULSE PLATE VOLTAGE		6500	max.	volts
PEAK NEGATIVE-PULSE PLATE VOLTAGE		1500	max.	volts
DC GRID-No.2 (SCREEN-GRID) VOLTAGE		220	max.	volts
PEAK NEGATIVE-PULSE GRID-No.1 VOLTAGE .		330	max.	volts
CATHODE CURRENT:				
Peak		610	max.	ma
Average		175	max.	ma
GRID-No.2 INPUT		3.6	max.	watts
PLATE DISSIPATION		18	max.	watts
PEAK HEATER-CATHODE VOLTAGE:				
Heater negative with respect to cathode		200	max.	volts
Heater positive with respect to cathode		200 9	max.	volts
BULB TEMPERATURE (At hottest				
point on bulb surface)		220	max.	oC

Maximum Circuit Values:

Grid-No.1-Circuit Resistance:
For grid resistor-bias operation. . . . 1 max. megohm

- Without external shield.
- This value can be measured by a method involving a recurrent wave form such that the maximum ratings of the tube will not be exceeded.
- On the 6-pin bases, pin 1 as well as pin 6 is omitted.
- As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.
- This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.
- $^{
 m f}$ An adequate bias resistor or other means is required to protect the tube in the absence of excitation.
- The dc component must not exceed 100 volts.

